**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**The Body’s Nervous System – Reading Worksheet for pp. D4 – D11**

1. The human nervous system consists of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ,the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. The nervous system is divided into 2 main parts: the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ nervous system and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ nervous system.
3. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ nervous system contains all the other nerves in the body.
4. The central nervous system is made up of 2 parts, the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. The spinal cord is an extension of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
6. The nerves of the spinal cord are protected by your \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. The spinal cord carries impulses from all parts of your body to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. The human nervous system allows us to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. The nerves coming from the spinal cord go into your arms, legs and trunk to form part of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ nervous system.
10. Nerve cells are also called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. The main part of a nerve cell is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
12. Neurons are different from other cells in that it has lots of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ structures on its edge.
13. These hair-like structures are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
14. A long stretched-out projection that connects one neuron to another is called an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
15. There is a small space between neurons that is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
16. Neurons receive impulses through the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
17. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ carry very small pulses of chemical energy.
18. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ pick up these tiny nerve impulses from other nerve cells.
19. Impulses move across the space between neurons, or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ with the help of a chemical produced by the neurons.
20. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the main organ of the central nervous system.
21. Nerve tissue are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cell bodies called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
22. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ controls things you think about doing.
23. Your brain also controls your \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
24. Your brain stores your \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
25. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the part of the brain in which thinking, sensory perception, memory, and control of voluntary muscles occur.
26. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ controls heart rate, breathing, and other actions automatically.
27. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ controls the coordination of skeletal muscles.
28. The spinal column is made of \_\_\_\_\_\_\_\_\_ hollow bones called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
29. There are disks of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ between each bone.
30. The spinal cord is located inside the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
31. The spinal column and spinal cord are important to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_.
32. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a bundle of neurons with axons that all do to the same place in the nervous system.
33. The peripheral nervous system has 2 parts: the \_\_\_\_\_\_\_\_\_\_ system and the \_\_\_\_\_\_\_\_\_ system.
34. Nerves in the \_\_\_\_\_\_\_\_\_\_\_\_\_ link the body’s sense organs (eyes, nose, etc.)
35. Your \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ system is functioning when you respond to a bright light or loud sound.
36. The 3 basic types of neurons are the \_\_\_\_\_\_\_\_\_\_\_ neurons, the \_\_\_\_\_\_\_\_\_\_\_ neurons and the \_\_\_\_\_\_\_\_\_\_\_\_\_ neurons.
37. What is the function of the motor neurons?
38. What is the function of the sensory neurons?
39. What is the function of the connecting neurons?
40. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ system of the peripheral nervous system takes care of function in your body that you do not willfully control.
41. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ system does many things such as controlling how fast and strongly your heart beats.
42. List 5 other things this system (ques. 41) controls in the space below.
    1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**The Body’s Nervous System – Reading Worksheet for pp. D4 – D11**

1. The human nervous system consists of \_\_\_**NEURONS**\_, or \_\_\_**NERVE CELLS**\_, the \_\_**SPINAL CORD**\_ and the \_\_\_**BRAIN**\_.
2. The nervous system is divided into 2 main parts: the \_**CENTRAL**\_\_ nervous system and the \_\_**PERIPHERAL**\_ nervous system.
3. The \_\_**PERIPHERAL**\_ nervous system contains all the other nerves in the body.
4. The central nervous system is made up of 2 parts, the \_\_**BRAIN**\_ and the \_\_**SPINAL** **CORD**\_\_.
5. The spinal cord is an extension of the \_\_**BRAIN** **STEM**\_\_.
6. The nerves of the spinal cord are protected by your \_\_**VERTEBRAE**\_\_.
7. The spinal cord carries impulses from all parts of your body to the \_**BRAIN**\_ and \_\_**BACK**\_.
8. The human nervous system allows us to \_\_**THINK**\_\_ and \_\_\_**COMMUNICATE**\_\_.
9. The nerves coming from the spinal cord go into your arms, legs and trunk to form part of the \_\_**PERIPHERAL**\_ nervous system.
10. Nerve cells are also called \_\_**NEURONS**\_\_.
11. The main part of a nerve cell is called the \_\_**CELL** **BODY**\_\_\_.
12. Neurons are different from other cells in that it has lots of \_\_**HAIRLIKE**\_\_ structures on its edge.
13. These hair-like structures are called \_\_**DENDRITES**\_\_.
14. A long stretched-out projection that connects one neuron to another is called an \_\_\_**AXON**\_\_.
15. There is a small space between neurons that is called a \_\_**SYNAPSE**\_\_\_\_\_\_.
16. Neurons receive impulses through the \_\_**DENDRITES**\_\_.
17. \_\_**AXONS**\_\_ and \_\_**DENDRITES**\_ carry very small pulses of chemical energy.
18. The \_**DENDRITES**\_\_ pick up these tiny nerve impulses from other nerve cells.
19. Impulses move across the space between neurons, or \_\_**SYNAPSE**\_ with the help of a chemical produced by the neurons.
20. The \_**BRAIN**\_ is the main organ of the central nervous system.
21. Nerve tissue are \_**GRAY** cell bodies called \_\_**GRAY** **MATTER**\_\_.
22. The \_**BRAIN**\_ controls things you think about doing.
23. Your brain also controls your \_\_**EMOTIONS**\_\_,
24. Your brain stores your \_**MEMORIES**\_\_.
25. The \_**CEREBRUM**\_\_ is the part of the brain in which thinking, sensory perception, memory, and control of voluntary muscles occur.
26. The \_**BRAIN** **STEM**\_ controls heart rate, breathing, and other actions automatically.
27. The \_\_**CEREBELLUM**\_\_ controls the coordination of skeletal muscles.
28. The spinal column is made of \_**33**\_\_ hollow bones called \_\_**VERTEBRAE**\_\_.
29. There are disks of \_**CARTILAGE**\_ between each bone.
30. The spinal cord is located inside the \_\_**VERTEBRAE**\_\_.
31. The spinal column and spinal cord are important to \_**MOVEMENT**\_\_\_ and \_**FEELING**\_.
32. A \_\_**NERVE**\_ is a bundle of neurons with axons that all do to the same place in the nervous system.
33. The peripheral nervous system has 2 parts: the \_**SOMATIC**\_\_ system and the \_\_**AUTONOMIC**\_ system.
34. Nerves in the \_**SOMATIC** **SYSTEM**\_ link the body’s sense organs (eyes, nose, etc.)
35. Your \_\_**SOMATIC**\_ system is functioning when you respond to a bright light or loud sound.
36. The 3 basic types of neurons are the \_\_**MOTOR**\_ neurons, the \_**SENSORY**\_ neurons and the \_**CONNECTING**\_\_ neurons.
37. What is the function of the motor neurons?

**TO CARRY MESSAGES THAT MOVE MUSCLES**

1. What is the function of the sensory neurons?

**TO CARRY MESSAGES OF SENSATION FROM THE SENSE ORGAMS**

1. What is the function of the connecting neurons?

**TO RELAY MESSAGES BETWEEN THE SENSORY AND MOTOR NEURONS**

1. The \_\_**AUTONOMIC**\_\_\_ system of the peripheral nervous system takes care of function in your body that you do not willfully control.
2. The \_\_ **AUTONOMIC** \_\_ system does many things such as controlling how fast and strongly your heart beats.
3. List 5 other things this system (ques. 41) controls in the space below.
   1. \_\_**HOW FAST YOUR HEART BEATS\_\_\_**
   2. **\_\_IT CONTROLS BLOOD PRESSURE\_\_**
   3. **\_\_HOW OFTEN AND DEEPLY YOU BREATHE\_\_**
   4. **\_\_HOW YOUR KIDNEYS WORK\_\_\_**
   5. **\_\_KEEPING CHEMICALS IN YOUR BODY BALANCED\_\_**